Function-Feature Intervals (version 5)
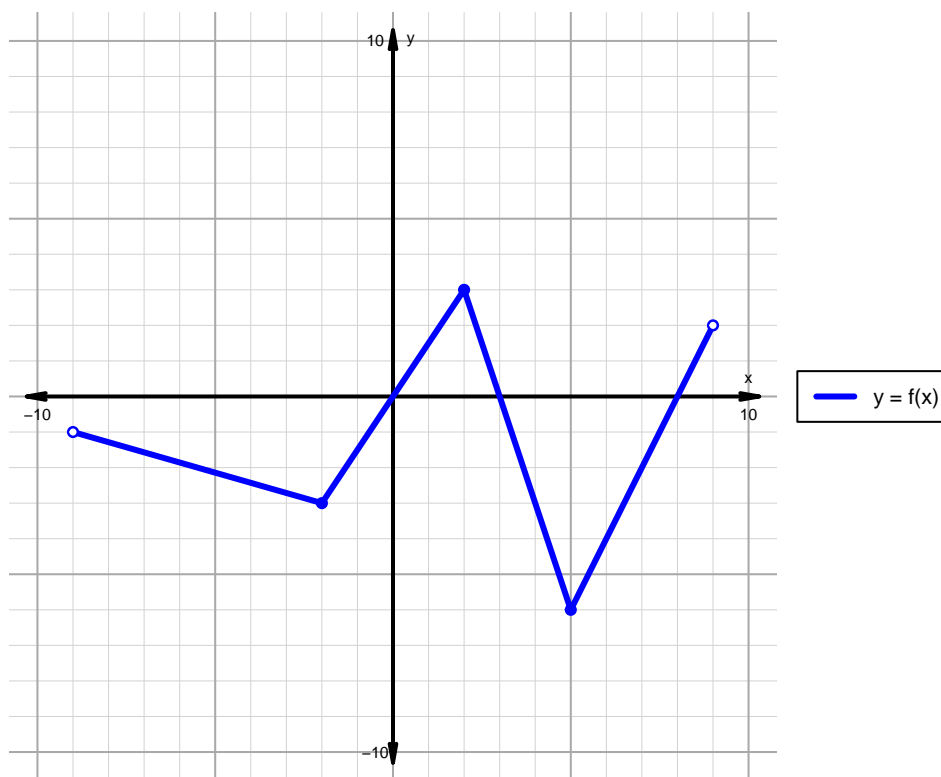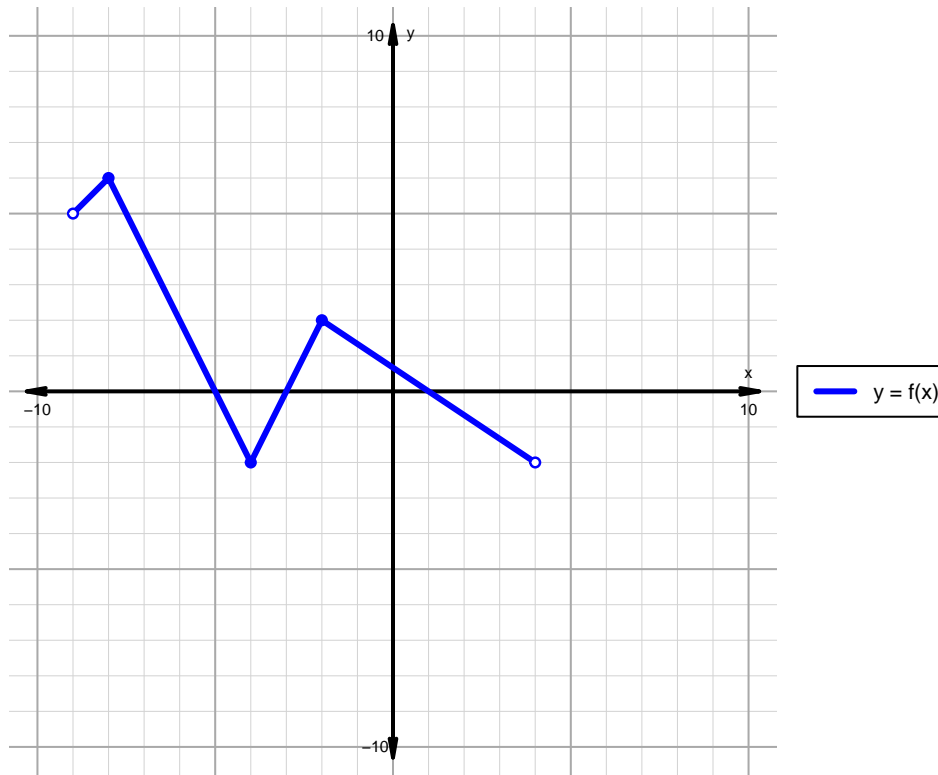
1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(0, 3) \cup (8, 9)$
Negative	$(-9, 0) \cup (3, 8)$
Increasing	$(-2, 2) \cup (5, 9)$
Decreasing	$(-9, -2) \cup (2, 5)$
Domain	$(-9, 9)$
Range	$(-6, 3)$

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2. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-9, -5) \cup (-3, 1)$
Negative	$(-5, -3) \cup (1, 4)$
Increasing	$(-9, -8) \cup (-4, -2)$
Decreasing	$(-8, -4) \cup (-2, 4)$
Domain	$(-9, 4)$
Range	$(-2, 6)$